

LANGUAGE: English  
 FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
 ENTRY MONTH: 198309  
 ENTRY DATE: Entered STN: 19900319  
 Last Updated on STN: 19970203  
 Entered Medline: 19830909

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

AB Pullulan (I) and dextran (II) promote the growth of bifidobacteria in humans and animals. Such promotion is effective in maintaining and improving health and beauty, as well as preventing and/or treating diseases, e.g. geriatric diseases, **hyperammonemia**, and hepatic encephalopathy. The presence of certain oligosaccharides, e.g. lactulose, greatly enhances such promotion. Thus, I and II are useful for or in health foods, pharmaceuticals, animal feeds, and pet foods. A variety of compns. are described. Pulverized corn bran 100, pullulan (mol. wt. .apprx.300,000) 100, Panorup 5 parts by wt., and an appropriate amt. of water were mixed to homogeneity, and the mixt. was granulated. The above compn. can also be tableted. Unlike sol. starch, I and II, administered to volunteers over a 14-day period, increased amt. of feces/day, bifidobacteria count/g feces, the ratio of bifidobacteria to total cell count (1.5-2 fold), total bifidobacteria count (2-4 fold); pH of the feces was decreased by 0.5-1.0. Pullulan was superior to dextran with respect to the above observations.

ACCESSION NUMBER: 1991:163008 CAPLUS  
 DOCUMENT NUMBER: 114:163008  
 TITLE: Compositions containing pullulan and/or dextran and their use in promoting the growth of intestinal bifidobacteria  
 INVENTOR(S): Mitsuhashi, Masakazu; Yoneyama, Masaru; Sakai, Shuzo  
 PATENT ASSIGNEE(S): Hayashibara Biochemical Laboratories, Inc., Japan  
 SOURCE: Eur. Pat. Appl., 9 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 382355	A2	19900816	EP 1990-300548	19900118
EP 382355	A3	19911113		
EP 382355	B1	19970820		
R: DE, FR, GB, IT, SE				
JP 02289520	A2	19901129	JP 1989-322564	19891214
JP 2779963	B2	19980723		
CA 2007270	AA	19900809	CA 1990-2007270	19900105
PRIORITY APPLN. INFO.:			JP 1989-28661	19890209
			JP 1989-322564	19891214

=> s 16 and therapeutics?  
 L7 0 L6 AND THERAPEUTICS?

=> s 16 and treatment?  
 L8 1 L6 AND TREATMENT?

=> d 18 abs ibib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

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=> s 16 and lowering(w) agent?

L9 0 L6 AND LOWERING(W) AGENT?

=> s 16 and blood?

L10 1 L6 AND BLOOD?

-> d 110

L10 ANSWER 1 OF 1 MEDLINE

AN 83276253 MEDLINE

DN 83276253 PubMed ID: 6879434

TI Portal hemodynamics, intestinal absorption, and postshunt encephalopathy.

AU Rikkers L F  
 NC 1P01AM31371 (NIADDK)  
 RP64 (NCRR)  
 SO SURGERY, (1983 Aug; 94 (2) 126 33.  
 Journal code: VC3; 0417347. ISSN: 0039 6060.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Abridged Index Medicus Journals; Priority Journals  
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=> s l6 and pharmaceutical?

L11 1 L6 AND PHARMACEUTICAL?

=> d l11

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 SO Eur. Pat. Appl., 9 pp.  
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PRAI	JP 1989-28661		19890209		
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=> s l6 and blood(w) ammonia(w) lowering?

L12 0 L6 AND BLOOD(W) AMMONIA(W) LOWERING?

=> s l6 and agent?

L13 0 L6 AND AGENT?

=> s blood(w) ammonia?

L14 2454 BLOOD(W) AMMONIA?

=> s l14 and xylose?

L15 1 L14 AND XYLOSE?

=> s l14 and xylobiose?

L16 1 L14 AND XYLOBIOSE?